PHD ASSISTANCE

Promising & Future Research Topics : ELearning and Knowledge Management (KM): 2019-2020

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PART 1 – BUSINESS MANAGEMENT RESEARCH

E-learning

☀ Use of <u>Electronic technologies</u> to improve the performance of a teaching-learning process

☀ Major challenge for the effective deployment of e-learning
- the <u>application of different forms</u> of ICT (OR) input supports varieties of format into this domain lies in the management of source knowledge (Islam *et al.*, 2011; Judrups, 2015; Radwan, 2015)

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WHAT DEFINES AN IDEAL LEARNING MANAGEMENT SYSTEM?

Knowledge codification /storage

Organize in a suitable & convenient deliverable format so that user can access, share, and use resources every easily

Knowledge Acquisition/creation

Extracting new knowledge from data, information, experience & prior knowledge

Knowledge identification / refinement

Identify knowledge and refine it relevant to the subject / industry and problem area of inevestigation

Knowledge leverage /usage

Use knowledge whenever required.

Knowledge Dissemination/sharing/ retrieval

To retrieve, no. of tools & techniques browsing, searching, meta data while for dissemination such as email, chat, discussion formuns, video conf.

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KM TOOLS AND TECHNOLOGIES

KNOWLEDGE SHARING TOOLS

Intranet
Groupware
Internet support

KNOWLEDGE DISTRIBUTION

Electronic Calendar
Database
Desktop publishing

KNOWLEDGE CAPTURE

Expert's knowledge Modeling
Neural Models
Intelligent Agents

STORE & RETRIEVE KNOWLDEGE

Database technologies

DERIVE PATTERN & ORGANIZE

Mining Technologies &
Bookmarking, social tagging

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E-LEARNING AND KNOWLDEGE MANAGEMENT? HOW ITS RELATED?

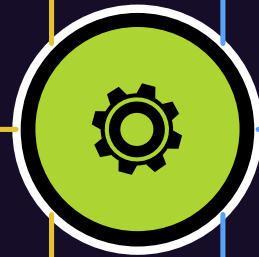Process of creating, capturing & organizing the knowledge

Offers reusable objects

Make use of e-learning process as a tool for KM

Uses the CMS as a subset of the process

Process of using different multimedia technologies for creating, capturing & organizing the knowledge
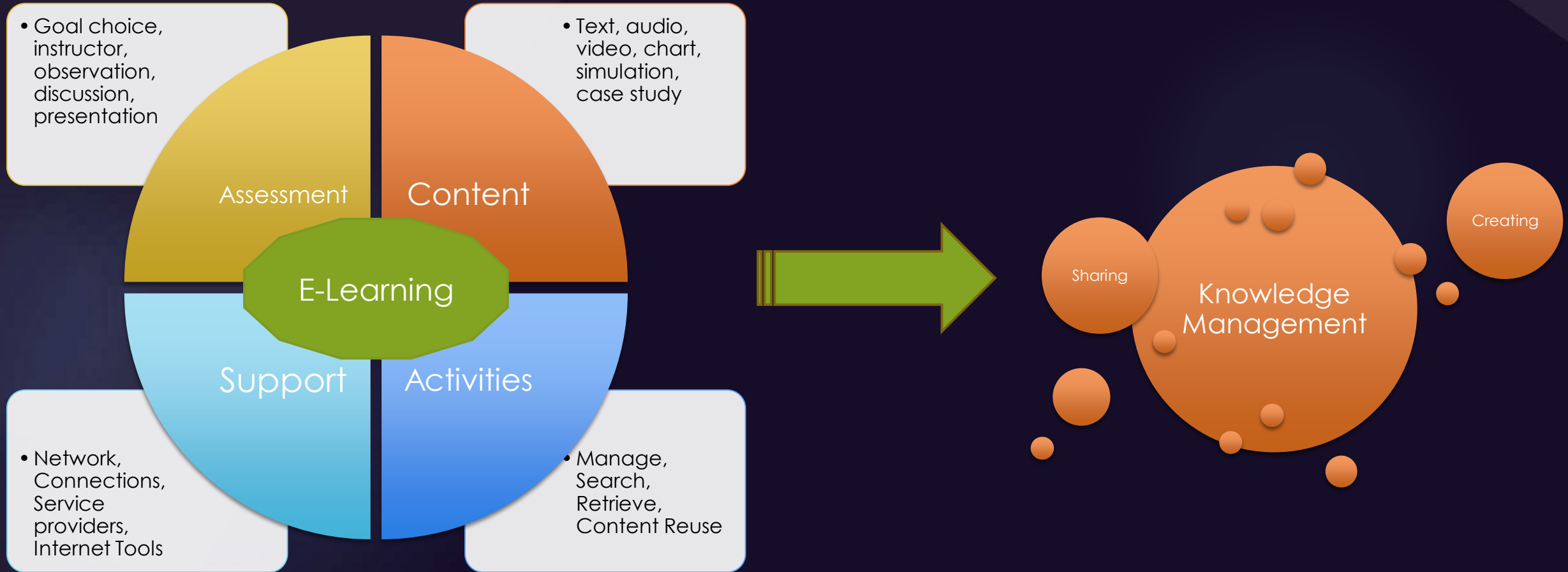
Generates reusable objects

Helps KM through creation of explicit knowledge from tacit & offers intricacy for sharing

Focus on creation of structured knowledge

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INTEGRATION OF E-LEARNING COMPONENTS FOR KM

- Goal choice, instructor, observation, discussion, presentation

- Text, audio, video, chart, simulation, case study

Assessment

Content

E-Learning

Support

Activities

- Network, Connections, Service providers, Internet Tools

- Manage, Search, Retrieve, Content Reuse

Sharing

Creating

Knowledge Management

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FUTURE RESEARCH AREAS :
KM & ELEARNING

Research Direction 1: Enablers and Barriers; Maturity; Intention

KM & E-learning are at an infancy stage of development. Therefore research should focus on maturity models, enablers, barriers (leadership, culture, self-efficacy) for sharing, creating…

Research Direction 2: Develop a definitions & terminologies, refinement theoretical treatment of artifacts, specific knowledge process, influence of managerial actions.

Clarify whether non-human elements, materials, tools, objects, artifacts refer to the same empirical phenomena; need for clear ontological perspective; artifacts in relation to defined knowledge process; how to employ artifacts to manage knowledge without authority & control.

Research Direction 3: Linking E-learning tools/technologies on KM

From the perspectives of social networking, bigdata, WhatsApp …usage lead to KM thereby learning – looked at from industry and HEI.

Enablers & Barriers

Theory development

E-learning on KM

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QUESTIONS BEFORE CHOSING YOUR RESEARCH AREA

Developed, developing & emerging economies

Problem, Widespread of the problem, affected & severity varies across the country & region.

Current Maturity Model + Priority

Current Problem may not be suitable for developed economy the USA but for UAE

Area of interest + experience

Your area of interest towards the subject and experience in handling KM & Learning determines

Mentor knowledge on the subject

Prof knowledge on the subject + terminologies – familiarity of the country

"If a possible research topic is not addressing a priority problem, it is not worthwhile researching it, so you should drop it from your list"

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- Kalyanaraman. P., Anuncia Margret, S., Balasubramanian., V. (2018). An Investigation on E-Learning Tools and Techniques Towards effective. S. Margret Anouncia and UK Wiil (eds), Knowledge Computing and its applications. Springer Nature Singapore Pte. Ltd. 2018
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You'd like to brainstorm, post your queries@ drnancy@phdassistance.com